

ORIGINAL

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Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, DC 20554

In re

Gray Television Licensee, Inc.) MB Docket No. _____
Petition for Rulemaking to Amend) RM No. _____
the DTV Table of Allotments)
for Station WIFR-DT, Freeport, Illinois)

To: Office of the Secretary
Attention: Chief, Media Bureau

FILED/ACCEPTED
JUN 20 2008

*Federal Communications Commission
Office of the Secretary*

PETITION FOR RULEMAKING

Gray Television Licensee, Inc. ("Gray"), licensee of Station WIFR-TV/DT ("WIFR"), Freeport, Illinois, by counsel and pursuant to 47 C.F.R. §73.623 and *Public Notice*, DA08-1213 (M. Bur.; rel. May 30, 2008), hereby petitions to amend the post-transition DTV Table of Allotments, 47 C.F.R. §73.622(i), to make WIFR's current digital channel, Channel 41, its post-transition digital channel allotment and to make related changes to the Station's post-transition allotment parameters. The Table currently specifies that WIFR's analog channel, Channel 23, will be its post-transition digital channel allotment. The requested amendment will permit WIFR to remain on its current digital Channel 41 post-transition, thereby saving the Station significant funds, facilitating a smooth digital transition, and enhancing service to the public.

Attached hereto is a Technical Exhibit of du Treil, Lundin & Rackley, Inc. which sets forth in detail the proposed WIFR Channel 41 post-transition DTV Table of Allotment specifications. As reflected in the Technical Exhibit, this proposal is in compliance with all relevant technical requirements for amendment of the post-transition

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DTV Table of Allotments, including the interference protection requirements of 47 C.F.R. §73.616 and the 0.5% de minimis interference standard with respect to all allotments and assignments, existing and proposed. As further reflected in the Technical Exhibit, the proposed Channel 41 post-transition facility will provide full principal community coverage to Freeport, Illinois, and will indeed substantially increase WIFR-DT's post-transition service area and population. The proposed post-transition WIFR-DT Channel 41 operation will serve 1,242,000 persons (based on OET-69 coverage analysis), which represents a gain of 333,000 persons (or approximately 37%) over the present Section 73.622(i) allotment for WIFR.¹

The proposed amendment will also permit WIFR to transition to its ultimate digital operation at greatly reduced expense. Instead of constructing a new digital facility on Channel 23, WIFR will be able to remain on its current digital channel, Channel 41, and thus will be able to transition to its post-transition digital operation through a mere increase in transmitter power output. This continuity of WIFR digital channel operation will also benefit the public and assist in the digital transition, because viewers of WIFR's CBS Network programming will not need to make any adjustments to their reception equipment to receive WIFR's signal, post-transition. WIFR's digital signal will be there post-transition, even stronger than before, on the same Channel 41 that viewers have grown accustomed to watching during the pre-transition years.

¹ One June 13, 2008, Gray submitted an application for maximization of WIFR's post-transition digital transmission facilities on Channel 23 (FCC File No. BMPCDT-20080613AAB). The facilities proposed in that application would result in a net service population of 1,136,242 based on OET-69 coverage analysis. Thus, the proposed DTV operation on Channel 41 would provide net service to an additional 105,758 persons over the maximized facilities on Channel 23, a 9.3% improvement.

For the foregoing reasons, the proposed amendment to the post-transition DTV Table of Allotments will clearly serve the public interest. Gray therefore respectfully requests that the Section 73.622(i) Table be amended in accordance with the specifications set forth in the attached Technical Exhibit.

Respectfully submitted

GRAY TELEVISION LICENSEE, INC.



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June 20, 2008

cc (via e-mail): Joyce Bernstein
Ron Graser

TECHNICAL EXHIBIT
IN SUPPORT OF PETITION FOR RULE MAKING
GRAY TELEVISION LICENSEE, INC.
TELEVISION STATION WIFR-DT
FREEPORT, ILLINOIS
CHANNEL 41

This Technical Exhibit was prepared on behalf of Gray Television Licensee, Inc. ("Gray") in support of a Petition for Rulemaking. This exhibit supports the modification of Section 73.622(i), *Post-Transition Table of DTV Allotments*, to specify a change in the post-transition DTV channel for WIFR-DT, Freeport, Illinois.

The WIFR(TV) analog facility is licensed for operation on Channel 23 at Freeport; and the pre-transition digital facility for WIFR-DT is licensed for operation on Channel 41. The Post-Transition Table of DTV Allotments at Section 73.622(i) of the FCC Rules specifies Channel 23 for WIFR-DT. Gray proposes to change the Table of DTV Allotments to specify Channel 41 in lieu of Channel 23.

The proposed allotment specifications are as follows:

State	Illinois
Community	Freeport
Channel No.	41
Zone	I
Reference Coordinates (NAD 27)	42°17'48" N.L. 89°10'15" W.L.
Antenna radiation center height	463 m AMSL
Antenna height above average terrain	219 m
Effective Radiated Power	345 kW
Antenna Pattern	Non-Directional

This proposal can be implemented in full compliance with the interference protection requirements of Section 73.616 of the FCC Rules. As demonstrated in the attached Interference Analysis at Figure 1, the proposal will meet the 0.5% de minimis interference criteria of Section 73.616(e) of the FCC Rules with respect to all allotments and assignments, existing and proposed. This is based on a study conducted according to the procedure set forth in FCC Office of Engineering and Technology Bulletin No. 69 ("OET-69") using 2000 Census population data in accordance with Section 73.616(e)(1) of the FCC Rules.

It is also demonstrated in the Interference Analysis at Figure 1, that the interference protection requirements would be met with respect all pertinent Class A stations of concern. Pursuant to Section 73.616(f) of the FCC Rules, an OET-69 analysis was conducted to evaluate the predicted interference to all Class A stations having prohibited contour overlap with respect to the proposed facility. The 0.5% de minimis interference criteria are met with respect to all Class A stations of concern. Pursuant to Section 73.616(f)(3) of the FCC Rules, a waiver of Sections 73.616(f)(1) and 73.616(f)(2) of the FCC Rules is requested to the extent necessary in regard to predicted contour overlap with respect to Class A stations WOCH-CA and WMLW-CA and to permit the consideration of the OET-69 interference analysis results.

The proposed WIFR-DT allotment facility will result in full principal community coverage of Freeport. This is illustrated on the map in Figure 2.

Also, as shown in Figure 2, the proposed WIFR-DT allotment facility will result in a larger service area with no loss in predicted service relative to the present allotment in any direction. In fact, the proposed allotment facility will result in a net service population of 1,242,000 based on an OET-69 coverage analysis. This is an increase of 333,000 persons relative to the present Section 73.622 allotment for WIFR-DT.

du Treil, Lundin & Rackley, Inc.

Consulting Engineers

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In addition to providing television service to an additional 333,000 viewers, this proposal will benefit the public by allowing WIFR-DT to provide continuous uninterrupted digital television service on Channel 41. Since WIFR-DT currently operates on Channel 41, it will not be necessary for viewers to have their receivers rescan for WIFR-DT due to a change in channel. WIFR-DT will continue its digital operations on Channel 41 and will be able to expeditiously implement this proposal with just an increase in transmitter power output required.



Louis R. du Treil, Jr., P.E.

du Treil, Lundin & Rackley, Inc.
201 Fletcher Ave.
Sarasota, Florida 34237

June 14, 2008

Figure 1

TECHNICAL EXHIBIT
IN SUPPORT OF PETITION FOR RULE MAKING
GRAY TELEVISION LICENSEE, INC.
TELEVISION STATION WIFR-DT
FREEPORT, ILLINOIS
CHANNEL 41

FCC OET-69 Analysis Output for WIFR-DT

(See Following 22 Sheets)

WIFR-DT, Freeport, IL, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

TW Census data selected 2000
Post Transition Data Base Selected /export/home/cdbs/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Record Selected for Analysis

WIFRDT41 USERRECORD-01	FREERPORT	IL US
Channel 41 ERP 345.	KW HAAT 220. m	RCAMSL 00463 m
Latitude 042-17-48	Longitude 0089-10-15	
Status APP	Zone 1 Border	
Last update	Cutoff date	Docket
Comments		
Applicant		

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	345.000	219.4	78.5
45.0	345.000	226.4	79.0
90.0	345.000	224.8	78.9
135.0	345.000	230.6	79.3
180.0	345.000	222.1	78.7
225.0	345.000	202.9	77.3
270.0	345.000	210.9	77.9
315.0	345.000	220.9	78.6

Evaluation toward Class A Stations

Contour overlap to Class A station
WOCH-CA 41 CHICAGO IL BLTTA 20060103ACT

Contour overlap to Class A station
WOCH-CA 41 CHICAGO IL BSTA 20060109ACO

Contour overlap to Class A station
WOCH-CA 41 CHICAGO IL BPTTA 20050127ALO

Contour overlap to Class A station
WMLW-CA 41 MILWAUKEE WI BLTTA 20021002AAA

Class A Evaluation Complete

Proposed facility OK to FCC Monitoring Stations

WIFR-DT, Freeport, IL, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Proposed Station			
Channel	Call	City/State	ARN
41	WIFRDT41	FREEPORT IL	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist (km)	Status	Application Ref. No.
34	WEDE-CA	ARLINGTON HEIGHTS IL	134.8	LIC	BLTTA -20050308AAS
40	WPXE	KENOSHA WI	136.3	LIC	BLCDT -20040206AAT
40	WPXE	KENOSHA WI	136.3	PLN	DTVPLN -DTVP1458
41	KGCW-TV	BURLINGTON IA	187.4	CP	BPCDT -19991028AFB
41	KGCW-TV	BURLINGTON IA	187.4	PLN	DTVPLN -DTVP1468
41	WICD	CHAMPAIGN IL	269.0	CP MOD	BMPCDT -20041215AAN
41	WICD	CHAMPAIGN IL	269.0	PLN	DTVPLN -DTVP1470
41	WOCH-CA	CHICAGO IL	135.1	LIC	BLTTA -20060103ACT
41	WOCH-CA	CHICAGO IL	135.1	APP	BSTA -20060109ACO
41	WOCH-CA	CHICAGO IL	135.1	APP	BPTTA -20050127ALO
41	WGBA	GREEN BAY WI	248.6	CP MOD	BMPCDT -20080207AAN
41	WGBA	GREEN BAY WI	248.6	PLN	DTVPLN -DTVP1488
41	WMLW-CA	MILWAUKEE WI	135.9	LIC	BLTTA -20021002AAA
42	WQRF-TV	ROCKFORD IL	1.0	CP MOD	BMPCDT -20070207ABW
42	WQRF-TV	ROCKFORD IL	0.9	PLN	DTVPLN -DTVP1499
48	WMEU-CA	BLUE ISLAND IL	137.8	LIC	BLTTA -20041008AAN

%%%%%%%%%%%%%

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application Ref. No.
34	WEDE-CA	ARLINGTON HEIGHTS IL	BLTTA -20050308AAS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application Ref. No.
27	WCIU-TV	CHICAGO IL	0.0	CP MOD	BMPCDT -20021202ABR
27	WCIU-TV	CHICAGO IL	0.0	PLN	DTVPLN -DTVP0998
31	WFLD	CHICAGO IL	0.0	LIC	BLCDT -20050606ABF
31	WFLD	CHICAGO IL	0.0	PLN	DTVPLN -DTVP1142
34	KQIN	DAVENPORT IA	236.6	CP MOD	BMPEDT -20070809AAX
34	KQIN	DAVENPORT IA	237.5	PLN	DTVPLN -DTVP1249
34	W34DL	CHAMPAIGN IL	196.0	LIC	BLTT -20050921AHY
34	WQEC	QUINCY IL	373.8	LIC	BLEDT -20040715ADL

WIFR-DT, Freeport, IL, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

34	WQEC	QUINCY IL	373.8	PLN	DTVPLN	-DTVP1252
34	WNIT	SOUTH BEND IN	123.0	LIC	BLET	-19910307KE
34	WNIT	SOUTH BEND IN	123.0	APP	BSTA	-20080307ACN
34	WHTV	JACKSON MI	282.7	CP MOD	BMPCT	-20070125ACI
34	WHTV	JACKSON MI	263.4	PLN	DTVPLN	-DTVP1255
34	WISN-TV	MILWAUKEE WI	139.1	LIC	BLCDT	-20050412ADP
34	WISN-TV	MILWAUKEE WI	139.1	PLN	DTVPLN	-DTVP1278
35	WWTO-TV	LA SALLE IL	126.9	LIC	BLCT	-19861212LH
35	WNIT	SOUTH BEND IN	123.6	LIC	BLEDT	-20040106ABJ
35	WNIT	SOUTH BEND IN	123.6	PLN	DTVPLN	-DTVP1291
36	WJYS	HAMMOND IN	0.0	LIC	BLCDT	-20020801ABI
36	WJYS	HAMMOND IN	0.0	PLN	DTVPLN	-DTVP1326
38	WGBO-TV	JOLIET IL	2.5	CP	BPCDT	-20080314AEF
38	WGBO-TV	JOLIET IL	2.5	PLN	DTVPLN	-DTVP1364
42	WQRF-TV	ROCKFORD IL	134.5	CP MOD	BMPCT	-20070207ABW
42	WQRF-TV	ROCKFORD IL	134.1	PLN	DTVPLN	-DTVP1499
42	WNDU-TV	SOUTH BEND IN	121.9	LIC	BLCDT	-20060717AAG
42	WNDU-TV	SOUTH BEND IN	121.9	PLN	DTVPLN	-DTVP1502
48	WHME-TV	SOUTH BEND IN	126.4	LIC	BLCDT	-20060109ABG
48	WHME-TV	SOUTH BEND IN	126.4	PLN	DTVPLN	-DTVP1708
48	WBME-TV	RACINE WI	109.8	LIC	BMLCDT	-20070823AED
48	WJJA	RACINE WI	136.1	PLN	DTVPLN	-DTVP1726
48	WBME-TV	RACINE WI	139.1	CP MOD	BMPCT	-20070921ACR
49	WAAA-LP	WESTVILLE IN	64.5	LIC	BLTTL	-20070621AAG
49	WBME-TV	RACINE WI	139.1	APP	BSTA	-20071025AAQ
49	WBME-TV	RACINE WI	139.1	APP	BPCT	-20070921ACJ
49	WBME-TV	RACINE WI	109.9	LIC	BMLCT	-20070823AEF
41	WIFRDT41	FREEPORT IL	134.8	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	WPXE	KENOSHA WI	BLCDT -20040206AAT

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application Ref. No.
39	WFRV-TV	GREEN BAY WI	137.8	LIC	BLCDT -20051004ABD
39	WFRV-TV	GREEN BAY WI	137.8	PLN	DTVP1423
40	WFWA	FORT WAYNE IN	314.8	LIC	BLEDT -20041112ACP
40	WFWA	FORT WAYNE IN	314.8	PLN	DTVPLN -DTVP1436
40	WKAR-TV	EAST LANSING MI	287.6	CP	BPEDT -20080314ACE
40	WKAR-TV	EAST LANSING MI	287.5	PLN	DTVPLN -DTVP1441
41	WGBA	GREEN BAY WI	140.5	CP MOD	BMPCT -20080207AAN
41	WGBA	GREEN BAY WI	140.5	PLN	DTVPLN -DTVP1488
41	WIFRDT41	FREEPORT IL	136.3	APP	USERRECORD-01

Total scenarios = 8

Result key:

2

WIFR-DT, Freeport, IL, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Scenario 2 Affected station
Before Analysis

Results for: 40A WI KENOSHA
HAAT 358.0 m, ATV ERP 830.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2966041	27266.8
not affected by terrain losses	2959015	27142.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	11376	447.0
lost to ATV IX only	11376	447.0
lost to all IX	11376	447.0

Potential Interfering Stations Included in above Scenario 2

39A WI GREEN BAY	BLCDT	20051004ABD	LIC
41A WI GREEN BAY	DTVPLN	DTVP1488	PLN

After Analysis

Results for: 40A WI KENOSHA
HAAT 358.0 m, ATV ERP 830.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2966041	27266.8
not affected by terrain losses	2959015	27142.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	24306	563.8
lost to ATV IX only	24306	563.8
lost to all IX	24306	563.8

Potential Interfering Stations Included in above Scenario 2

39A WI GREEN BAY	BLCDT	20051004ABD	LIC
41A WI GREEN BAY	DTVPLN	DTVP1488	PLN
41A IL FREEPORT	USERRECORD01		APP

Percent new IX = 0.4387%

Worst case new IX 0.4387% Scenario 2

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	WPXE	KENOSHA WI	DTVPLN -DTVP1458

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	WFRV-TV	GREEN BAY WI	137.8	LIC	BLCDT -20051004ABD
39	WFRV-TV	GREEN BAY WI	137.8	PLN	DTVPLN -DTVP1423
40	WFWA	FORT WAYNE IN	314.8	LIC	BLEDT -20041112ACP
40	WFWA	FORT WAYNE IN	314.8	PLN	DTVPLN -DTVP1436
40	WKAR-TV	EAST LANSING MI	287.6	CP	BPEDT -20080314ACE
40	WKAR-TV	EAST LANSING MI	287.5	PLN	DTVPLN -DTVP1441

WIFR-DT, Freeport, IL, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

41	WGBA	GREEN BAY WI	140.5	CP MOD	BMPCTD	-20080207AAN
41	WGBA	GREEN BAY WI	140.5	PLN	DTVPLN	-DTVP1488
41	WIFRDT41	FREEPORT IL	136.3	APP	USERRECORD	-01

Total scenarios = 8

Result key: 10
Scenario 2 Affected station 3
Before Analysis

Results for: 40A WI KENOSHA DTVPLN DTVP1458 PLN
HAAT 358.0 m, ATV ERP 830.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2966041	27266.8
not affected by terrain losses	2959015	27142.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	11376	447.0
lost to ATV IX only	11376	447.0
lost to all IX	11376	447.0

Potential Interfering Stations Included in above Scenario 2

39A WI GREEN BAY	BLCDT	20051004ABD	LIC
41A WI GREEN BAY	DTVPLN	DTVP1488	PLN

After Analysis

Results for: 40A WI KENOSHA DTVPLN DTVP1458 PLN
HAAT 358.0 m, ATV ERP 830.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2966041	27266.8
not affected by terrain losses	2959015	27142.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	24306	563.8
lost to ATV IX only	24306	563.8
lost to all IX	24306	563.8

Potential Interfering Stations Included in above Scenario 2

39A WI GREEN BAY	BLCDT	20051004ABD	LIC
41A WI GREEN BAY	DTVPLN	DTVP1488	PLN
41A IL FREEPORT	USERRECORD	01	APP

Percent new IX = 0.4387%

Worst case new IX 0.4387% Scenario 2

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	KGCW-TV	BURLINGTON IA	BPCDT -19991028AFB

Stations Potentially Affecting This Station

WIFR-DT, Freeport, IL. OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Chan	Call	City/State	Dist (km)	Status	Application Ref.	No.
41	WICD	CHAMPAIGN IL	271.6	CP MOD	BMPCTD	-20041215AAN
41	WICD	CHAMPAIGN IL	271.6	PLN	DTVPLN	-DTVP1470
41	KMCI	LAWRENCE KS	397.3	CP	BPCDT	-20080306AAQ
41	KMCI	LAWRENCE KS	397.3	PLN	DTVPLN	-DTVP1471
41	WGBA	GREEN BAY WI	426.1	CP MOD	BMPCTD	-20080207AAN
41	WGBA	GREEN BAY WI	426.1	PLN	DTVPLN	-DTVP1488
42	WQRF-TV	ROCKFORD IL	186.7	CP MOD	BMPCTD	-20070207ABW
42	WQRF-TV	ROCKFORD IL	187.3	PLN	DTVPLN	-DTVP1499
42	WICS	SPRINGFIELD IL	186.7	LIC	BLCDT	-20050627AAI
42	WICS	SPRINGFIELD IL	186.7	PLN	DTVPLN	-DTVP1500
41	WIFRDT41	FREEPORT IL	187.4	APP	USERRECORD	-01

Total scenarios = 8

Result key: 17
Scenario 1 Affected station 4
Before Analysis

Results for: 41A IA BURLINGTON		BPCDT	19991028AFB	CP
HAAT	388.0 m, ATV ERP 500.0 kW	POPULATION	AREA (sq km)	
within Noise Limited Contour		859252	27031.8	
not affected by terrain losses		858646	26967.6	
lost to NTSC IX		0	0.0	
lost to additional IX by ATV		3640	72.3	
lost to ATV IX only		3640	72.3	
lost to all IX		3640	72.3	

Potential Interfering Stations Included in above Scenario 1

41A IL CHAMPAIGN BMPCDT 20041215AAN CP
42A IL SPRINGFIELD BLCDT 20050627AAI LIC

After Analysis

Results for: 41A IA BURLINGTON BPCDT 19991028AFB CP
 HAAT 388.0 m, ATV ERP 500.0 kW
 POPULATION AREA (sq km)
 within Noise Limited Contour 859252 27031.8
 not affected by terrain losses 858646 26967.6
 lost to NTSC IX 0 0.0
 lost to additional IX by ATV 6845 317.1
 lost to ATV IX only 6845 317.1
 lost to all IX 6845 317.1

Potential Interfering Stations Included in above Scenario 1

41A	IL	CHAMPAIGN	BMPCDT	20041215AAN	CP
42A	IL	SPRINGFIELD	BLCDT	20050627AAI	LIC
41A	IL	FREEPORT	USERRECORD01		APP

Percent new IX = 0.3749%

Worst case new IX 0.3749% Scenario 1

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WIFR-DT, Freeport, IL, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	KGCW-TV	BURLINGTON IA	DTVPLN -DTVP1468

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application Ref. No.
41	WICD	CHAMPAIGN IL	271.6	CP MOD	BMPCDT -20041215AAN
41	WICD	CHAMPAIGN IL	271.6	PLN	DTVPLN -DTVP1470
41	KMCI	LAWRENCE KS	397.3	CP	BPCDT -20080306AAQ
41	KMCI	LAWRENCE KS	397.3	PLN	DTVPLN -DTVP1471
41	WGBA	GREEN BAY WI	426.1	CP MOD	BMPCDT -20080207AAN
41	WGBA	GREEN BAY WI	426.1	PLN	DTVPLN -DTVP1488
42	WQRF-TV	ROCKFORD IL	186.7	CP MOD	BMPCDT -20070207ABW
42	WQRF-TV	ROCKFORD IL	187.3	PLN	DTVPLN -DTVP1499
42	WICS	SPRINGFIELD IL	186.7	LIC	BLCDT -20050627AAI
42	WICS	SPRINGFIELD IL	186.7	PLN	DTVPLN -DTVP1500
41	WIFRDT41	FREEPORT IL	187.4	APP	USERRECORD-01

Total scenarios = 8

Result key: 25

Scenario 1 Affected station 5
Before Analysis

Results for: 41A IA BURLINGTON	DTVPLN	DTVP1468	PLN
HAAT 388.0 m, ATV ERP 500.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	859252	27031.8	
not affected by terrain losses	858646	26967.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	3640	72.3	
lost to ATV IX only	3640	72.3	
lost to all IX	3640	72.3	

Potential Interfering Stations Included in above Scenario 1

41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC

After Analysis

Results for: 41A IA BURLINGTON	DTVPLN	DTVP1468	PLN
HAAT 388.0 m, ATV ERP 500.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	859252	27031.8	
not affected by terrain losses	858646	26967.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	6845	317.1	
lost to ATV IX only	6845	317.1	
lost to all IX	6845	317.1	

Potential Interfering Stations Included in above Scenario 1

WIFR-DT, Freeport, IL, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

41A IL CHAMPAIGN	BMPCTD	20041215AAN	CP
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
41A IL FREEPORT	USERRECORD01		APP

Percent new IX = 0.3749%

Worst case new IX 0.3749% Scenario 1

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Analysis of Interference to Affected Station 6

Analysis of current record:

Channel	Call	City/State	Application Ref. No.
41	WICD	CHAMPAIGN IL	BMPCTD -20041215AAN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application Ref. No.
41	KGCW-TV	BURLINGTON IA	271.6	CP	BPCDT -19991028AFB
41	KGCW-TV	BURLINGTON IA	271.6	PLN	DTVPLN -DTVP1468
41	WKPD	PADUCAH KY	337.3	LIC	BLEDT -20020304ALI
41	WKPD	PADUCAH KY	337.3	PLN	DTVPLN -DTVP1472
41	WHIO-TV	DAYTON OH	314.7	LIC	BLCDT -20040614AEY
41	WHIO-TV	DAYTON OH	314.7	PLN	DTVPLN -DTVP1480
42	WICS	SPRINGFIELD IL	135.2	LIC	BLCDT -20050627AAI
42	WICS	SPRINGFIELD IL	135.2	PLN	DTVPLN -DTVP1500
42	WCLJ-TV	BLOOMINGTON IN	168.1	CP	BPCDT -20080314ABE
42	WCLJ-TV	BLOOMINGTON IN	168.1	PLN	DTVPLN -DTVP1501
42	WNDU-TV	SOUTH BEND IN	222.6	LIC	BLCDT -20060717AAG
42	WNDU-TV	SOUTH BEND IN	222.6	PLN	DTVPLN -DTVP1502
41	WIFRDT41	FREEPORT IL	269.0	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 7

Analysis of current record:

Channel	Call	City/State	Application Ref. No.
41	WICD	CHAMPAIGN IL	DTVPLN -DTVP1470

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application Ref. No.
41	KGCW-TV	BURLINGTON IA	271.6	CP	BPCDT -19991028AFB
41	KGCW-TV	BURLINGTON IA	271.6	PLN	DTVPLN -DTVP1468
41	WKPD	PADUCAH KY	337.3	LIC	BLEDT -20020304ALI
41	WKPD	PADUCAH KY	337.3	PLN	DTVPLN -DTVP1472
41	WHIO-TV	DAYTON OH	314.7	LIC	BLCDT -20040614AEY
41	WHIO-TV	DAYTON OH	314.7	PLN	DTVPLN -DTVP1480
42	WICS	SPRINGFIELD IL	135.2	LIC	BLCDT -20050627AAI
42	WICS	SPRINGFIELD IL	135.2	PLN	DTVPLN -DTVP1500
42	WCLJ-TV	BLOOMINGTON IN	168.1	CP	BPCDT -20080314ABE

WIFR-DT, Freeport, IL, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

42	WCLJ-TV	BLOOMINGTON IN	168.1	PLN	DTVPLN	-DTVP1501
42	WNDU-TV	SOUTH BEND IN	222.6	LIC	BLCDT	-20060717AAG
42	WNDU-TV	SOUTH BEND IN	222.6	PLN	DTVPLN	-DTVP1502
41	WIFRDT41	FREEPORT IL	269.0	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	WOCH-CA	CHICAGO IL	BLTTA -20060103ACT

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application Ref. No.
33	WITI	MILWAUKEE WI	134.3	CP MOD	BMPCDT -20080122AOP
33	WITI	MILWAUKEE WI	134.3	PLN	DTVPLN -DTVP1236
34	WNIT	SOUTH BEND IN	122.5	LIC	BLET -19910307KE
34	WNIT	SOUTH BEND IN	122.5	APP	BSTA -20080307ACN
34	WISN-TV	MILWAUKEE WI	137.1	LIC	BLCDT -20050412ADP
34	WISN-TV	MILWAUKEE WI	137.1	PLN	DTVPLN -DTVP1278
38	WGBO-TV	JOLIET IL	0.0	CP	BPCDT -20080314AEF
38	WGBO-TV	JOLIET IL	0.0	PLN	DTVPLN -DTVP1364
40	W40BY	PALATINE IL	2.5	LIC	BLTT -20060419ACR
41	KGCW-TV	BURLINGTON IA	278.3	CP	BPCDT -19991028AFB
41	KGCW-TV	BURLINGTON IA	278.3	PLN	DTVPLN -DTVP1468
41	WICD	CHAMPAIGN IL	204.8	CP MOD	BMPCDT -20041215AAN
41	WICD	CHAMPAIGN IL	204.8	PLN	DTVPLN -DTVP1470
41	WOTV	BATTLE CREEK MI	192.4	LIC	BLCT -19961120KE
41	WXYZ-TV	DETROIT MI	365.7	CP	BPCDT -20080228AAC
41	WXYZ-TV	DETROIT MI	365.7	PLN	DTVPLN -DTVP1476
41	WXYZ-TV	DETROIT MI	365.7	LIC	BLCDT -20030325ABI
41	WHIO-TV	DAYTON OH	372.1	LIC	BLCDT -20040614AEY
41	WHIO-TV	DAYTON OH	372.1	PLN	DTVPLN -DTVP1480
41	WGBA	GREEN BAY WI	274.9	CP MOD	BMPCDT -20080207AAN
41	WGBA	GREEN BAY WI	274.9	PLN	DTVPLN -DTVP1488
41	WMLW-CA	MILWAUKEE WI	137.1	LIC	BLTTA -20021002AAA
41	WMLW-CA	MILWAUKEE WI	137.1	STA	BSTA -20000714AAU
42	W64CQ	ARLINGTON HEIGHTS IL	39.8	CP	BDISTT -20070709ACL
42	WNDU-TV	SOUTH BEND IN	121.4	LIC	BLCDT -20060717AAG
42	WNDU-TV	SOUTH BEND IN	121.4	PLN	DTVPLN -DTVP1502
43	WCPX	CHICAGO IL	2.5	LIC	BLCDT -20010226ABH
43	WCPX	CHICAGO IL	2.5	PLN	DTVPLN -DTVP1536
45	WSNS-TV	CHICAGO IL	2.5	LIC	BLCDT -20010612AIB
45	WSNS-TV	CHICAGO IL	2.5	PLN	DTVPLN -DTVP1611
48	WHME-TV	SOUTH BEND IN	125.9	LIC	BLCDT -20060109ABG
48	WHME-TV	SOUTH BEND IN	125.9	PLN	DTVPLN -DTVP1708
48	WBME-TV	RACINE WI	107.8	LIC	BMLCDT -20070823AED
48	WJJA	RACINE WI	134.1	PLN	DTVPLN -DTVP1726
48	WBME-TV	RACINE WI	137.1	CP MOD	BMPCDT -20070921ACR
55	WPXE	KENOSHA WI	99.8	LIC	BLCT -19970707KE
56	WYIN	GARY IN	63.9	LIC	BMLET -20050811AAD
56	WYIN	GARY IN	2.5	APP	BPET -20010716AAS
41	WIFRDT41	FREEPORT IL	135.1	APP	USERRECORD-01

WIFR-DT, Freeport, IL, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Total scenarios = 12

Result key: 33
Scenario 1 Affected station 8
Before Analysis

Results for: 41N IL CHICAGO

	BLTTA	20060103ACT	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	3683605	1644.6	
not affected by terrain losses	3683605	1644.6	
lost to NTSC IX	687181	228.6	
lost to additional IX by ATV	14068	4.0	
lost to all IX	701249	232.6	

Potential Interfering Stations Included in above Scenario 1

56N IN GARY	BMLET	20050811AAD	LIC
43A IL CHICAGO	BLCDT	20010226ABH	LIC
45A IL CHICAGO	BLCDT	20010612AIB	LIC

After Analysis

Results for: 41N IL CHICAGO

	BLTTA	20060103ACT	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	3683605	1644.6	
not affected by terrain losses	3683605	1644.6	
lost to NTSC IX	687181	228.6	
lost to additional IX by ATV	25828	8.0	
lost to all IX	713009	236.7	

Potential Interfering Stations Included in above Scenario 1

56N IN GARY	BMLET	20050811AAD	LIC
43A IL CHICAGO	BLCDT	20010226ABH	LIC
45A IL CHICAGO	BLCDT	20010612AIB	LIC
41A IL FREEPORT	USERRECORD01		APP

Percent new IX = 0.3193%

Worst case new IX 0.3193% Scenario 1

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	WOCH-CA	CHICAGO IL	BSTA -20060109ACO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application Ref. No.
33	WITI	MILWAUKEE WI	134.3	CP MOD	BMPCDT -20080122AOP
33	WITI	MILWAUKEE WI	134.3	PLN	DTVPLN -DTVP1236
34	WNIT	SOUTH BEND IN	122.5	LIC	BLET -19910307KE
34	WNIT	SOUTH BEND IN	122.5	APP	BSTA -20080307ACN

WIFR-DT, Freeport, IL, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

34	WISN-TV	MILWAUKEE WI	137.1	LIC	BLCDT	-20050412ADP
34	WISN-TV	MILWAUKEE WI	137.1	PLN	DTVPLN	-DTVP1278
38	WCPX	CHICAGO IL	2.5	LIC	BLCT	-20050715ACC
38	WGBO-TV	JOLIET IL	0.0	CP	BPCDT	-20080314AEF
38	WGBO-TV	JOLIET IL	0.0	PLN	DTVPLN	-DTVP1364
39	WQRF-TV	ROCKFORD IL	134.4	LIC	BLCT	-19960402KE
40	W40BY	PALATINE IL	2.5	LIC	BLTT	-20060419ACR
41	KGCW-TV	BURLINGTON IA	278.3	CP	BPCDT	-19991028AFB
41	KGCW-TV	BURLINGTON IA	278.3	PLN	DTVPLN	-DTVP1468
41	WICD	CHAMPAIGN IL	204.8	CP MOD	BMPCTD	-20041215AAN
41	WICD	CHAMPAIGN IL	204.8	PLN	DTVPLN	-DTVP1470
41	WOTV	BATTLE CREEK MI	192.4	LIC	BLCT	-19961120KE
41	WXYZ-TV	DETROIT MI	365.7	CP	BPCDT	-20080228AAC
41	WXYZ-TV	DETROIT MI	365.7	PLN	DTVPLN	-DTVP1476
41	WXYZ-TV	DETROIT MI	365.7	LIC	BLCDT	-20030325ABI
41	WHIO-TV	DAYTON OH	372.1	LIC	BLCDT	-20040614AEY
41	WHIO-TV	DAYTON OH	372.1	PLN	DTVPLN	-DTVP1480
41	WGBA	GREEN BAY WI	274.9	CP MOD	BMPCTD	-20080207AAN
41	WGBA	GREEN BAY WI	274.9	PLN	DTVPLN	-DTVP1488
41	WMLW-CA	MILWAUKEE WI	137.1	LIC	BLTTA	-20021002AAA
41	WMLW-CA	MILWAUKEE WI	137.1	STA	BSTA	-20000714AAU
42	W64CQ	ARLINGTON HEIGHTS IL	39.8	CP	BDISTT	-20070709ACL
42	WNDU-TV	SOUTH BEND IN	121.4	LIC	BLCDT	-20060717AAG
42	WNDU-TV	SOUTH BEND IN	121.4	PLN	DTVPLN	-DTVP1502
43	WCPX	CHICAGO IL	2.5	LIC	BLCDT	-20010226ABH
43	WCPX	CHICAGO IL	2.5	PLN	DTVPLN	-DTVP1536
44	WSNS-TV	CHICAGO IL	2.5	LIC	BLCT	-20000110AAU
45	WSNS-TV	CHICAGO IL	2.5	LIC	BLCDT	-20010612AIB
45	WSNS-TV	CHICAGO IL	2.5	PLN	DTVPLN	-DTVP1611
48	WHME-TV	SOUTH BEND IN	125.9	LIC	BLCDT	-20060109ABG
48	WHME-TV	SOUTH BEND IN	125.9	PLN	DTVPLN	-DTVP1708
48	WBME-TV	RACINE WI	107.8	LIC	BMLCDT	-20070823AED
48	WJJA	RACINE WI	134.1	PLN	DTVPLN	-DTVP1726
48	WBME-TV	RACINE WI	137.1	CP MOD	BMPCTD	-20070921ACR
55	WPXE	KENOSHA WI	99.8	LIC	BLCT	-19970707KE
56	WYIN	GARY IN	63.9	LIC	BMLET	-20050811AAD
56	WYIN	GARY IN	2.5	APP	BPET	-20010716AAS
41	WIFRDT41	FREEPORT IL	135.1	APP	USERRECORD-01	

Total scenarios = 6

Result key: 45
 Scenario 1 Affected station 9
 Before Analysis

Results for: 41N IL CHICAGO		BSTA	20060109ACO	APP
		POPULATION	AREA (sq km)	
within Noise Limited Contour	5835032	4177.5		
not affected by terrain losses	5835032	4177.5		
lost to NTSC IX	126834	228.7		
lost to additional IX by ATV	0	0.0		
lost to all IX	126834	228.7		

Potential Interfering Stations Included in above Scenario 1

40N IL PALATINE	BLTT	20060419ACR	LIC
41N MI BATTLE CREEK	BLCT	19961120KE	LIC
42N IL ARLINGTON HEIGHTS	BDISTT	20070709ACL	CP

WIFR-DT, Freeport, IL, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

44N IL CHICAGO	BLCT	20000110AAU	LIC
56N IN GARY	BMLET	20050811AAD	LIC
45A IL CHICAGO	BLCDT	20010612AIB	LIC

After Analysis

Results for: 41N IL CHICAGO	BSTA	20060109ACO	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	5835032	4177.5	
not affected by terrain losses	5835032	4177.5	
lost to NTSC IX	126834	228.7	
lost to additional IX by ATV	0	0.0	
lost to all IX	126834	228.7	

Potential Interfering Stations Included in above Scenario 1

40N IL PALATINE	BLTT	20060419ACR	LIC
41N MI BATTLE CREEK	BLCT	19961120KE	LIC
42N IL ARLINGTON HEIGHTS	BDISTT	20070709ACL	CP
44N IL CHICAGO	BLCT	20000110AAU	LIC
56N IN GARY	BMLET	20050811AAD	LIC
45A IL CHICAGO	BLCDT	20010612AIB	LIC
41A IL FREEPORT	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	WOCH-CA	CHICAGO IL	BPTTA -20050127ALO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application Ref. No.
33	WITI	MILWAUKEE WI	134.3	CP MOD	BMPCTD -20080122AOP
33	WITI	MILWAUKEE WI	134.3	PLN	DTVPLN -DTVP1236
34	WNIT	SOUTH BEND IN	122.5	LIC	BLET -19910307KE
34	WNIT	SOUTH BEND IN	122.5	APP	BSTA -20080307ACN
34	WISN-TV	MILWAUKEE WI	137.1	LIC	BLCDT -20050412ADP
34	WISN-TV	MILWAUKEE WI	137.1	PLN	DTVPLN -DTVP1278
38	WCPX	CHICAGO IL	2.5	LIC	BLCT -20050715ACC
38	WGBO-TV	JOLIET IL	0.0	CP	BPCDT -20080314AEF
38	WGBO-TV	JOLIET IL	0.0	PLN	DTVPLN -DTVP1364
39	WQRF-TV	ROCKFORD IL	134.4	LIC	BLCT -19960402KE
40	W40BY	PALATINE IL	2.5	LIC	BLTT -20060419ACR
41	KGCW-TV	BURLINGTON IA	278.3	CP	BPCDT -19991028AFB
41	KGCW-TV	BURLINGTON IA	278.3	PLN	DTVPLN -DTVP1468
41	WICD	CHAMPAIGN IL	204.8	CP MOD	BMPCTD -20041215AAN
41	WICD	CHAMPAIGN IL	204.8	PLN	DTVPLN -DTVP1470
41	WOTV	BATTLE CREEK MI	192.4	LIC	BLCT -19961120KE
41	WXYZ-TV	DETROIT MI	365.7	CP	BPCDT -20080228AAC
41	WXYZ-TV	DETROIT MI	365.7	PLN	DTVPLN -DTVP1476

WIFR-DT, Freeport, IL, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

41	WXYZ-TV	DETROIT MI	365.7	LIC	BLCDT	-20030325ABI
41	WHIO-TV	DAYTON OH	372.1	LIC	BLCDT	-20040614AEY
41	WHIO-TV	DAYTON OH	372.1	PLN	DTVPLN	-DTVP1480
41	WGBA	GREEN BAY WI	274.9	CP MOD	BMPCTD	-20080207AAN
41	WGBA	GREEN BAY WI	274.9	PLN	DTVPLN	-DTVP1488
41	WMLW-CA	MILWAUKEE WI	137.1	LIC	BLTTA	-20021002AAA
41	WMLW-CA	MILWAUKEE WI	137.1	STA	BSTA	-20000714AAU
42	W64CQ	ARLINGTON HEIGHTS IL	39.8	CP	BDISTT	-20070709ACL
42	WNDU-TV	SOUTH BEND IN	121.4	LIC	BLCDT	-20060717AAG
42	WNDU-TV	SOUTH BEND IN	121.4	PLN	DTVPLN	-DTVP1502
43	WCPX	CHICAGO IL	2.5	LIC	BLCDT	-20010226ABH
43	WCPX	CHICAGO IL	2.5	PLN	DTVPLN	-DTVP1536
44	WSNS-TV	CHICAGO IL	2.5	LIC	BLCT	-20000110AAU
45	WSNS-TV	CHICAGO IL	2.5	LIC	BLCDT	-20010612AIB
45	WSNS-TV	CHICAGO IL	2.5	PLN	DTVPLN	-DTVP1611
48	WHME-TV	SOUTH BEND IN	125.9	LIC	BLCDT	-20060109ABG
48	WHME-TV	SOUTH BEND IN	125.9	PLN	DTVPLN	-DTVP1708
48	WBME-TV	RACINE WI	107.8	LIC	BMLCDT	-20070823AED
48	WJJA	RACINE WI	134.1	PLN	DTVPLN	-DTVP1726
48	WBME-TV	RACINE WI	137.1	CP MOD	BMPCTD	-20070921ACR
55	WPXE	KENOSHA WI	99.8	LIC	BLCT	-19970707KE
56	WYIN	GARY IN	63.9	LIC	BMLET	-20050811AAD
56	WYIN	GARY IN	2.5	APP	BPET	-20010716AAS
41	WIFRDT41	FREEPORT IL	135.1	APP	USERRECORD-01	

Total scenarios = 3

Result key: 51
 Scenario 1 Affected station 10
 Before Analysis

Results for: 41N IL CHICAGO		BPTTA	20050127ALO	APP
		POPULATION	AREA (sq km)	
within Noise Limited Contour		6108921	4631.0	
not affected by terrain losses		6108921	4631.0	
lost to NTSC IX		116798	148.5	
lost to additional IX by ATV		0	0.0	
lost to all IX		116798	148.5	

Potential Interfering Stations Included in above Scenario 1

40N IL PALATINE	BLTT	20060419ACR	LIC
42N IL ARLINGTON HEIGHTS	BDISTT	20070709ACL	CP
44N IL CHICAGO	BLCT	20000110AAU	LIC
56N IN GARY	BMLET	20050811AAD	LIC

After Analysis

Results for: 41N IL CHICAGO		BPTTA	20050127ALO	APP
		POPULATION	AREA (sq km)	
within Noise Limited Contour		6108921	4631.0	
not affected by terrain losses		6108921	4631.0	
lost to NTSC IX		116798	148.5	
lost to additional IX by ATV		0	0.0	
lost to all IX		116798	148.5	

Potential Interfering Stations Included in above Scenario 1

WIFR-DT, Freeport, IL, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

40N IL PALATINE	BLTT	20060419ACR	LIC
42N IL ARLINGTON HEIGHTS	BDISTT	20070709ACL	CP
44N IL CHICAGO	BLCT	20000110AAU	LIC
56N IN GARY	BMLET	20050811AAD	LIC
41A IL FREEPORT	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	WGBA	GREEN BAY WI	BMPCDT -20080207AAN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application Ref. No.
40	WPXE	KENOSHA WI	140.5	LIC	BLCDT -20040206AAT
40	WPXE	KENOSHA WI	140.5	PLN	DTVPLN -DTVP1458
41	KGCW-TV	BURLINGTON IA	426.1	CP	BPCDT -19991028AFB
41	KGCW-TV	BURLINGTON IA	426.1	PLN	DTVPLN -DTVP1468
42	WPNE	GREEN BAY WI	5.9	LIC	BMLEDT -20040818AAP
42	WPNE	GREEN BAY WI	5.9	PLN	DTVPLN -DTVP1524
41	WIFRDT41	FREEPORT IL	248.6	APP	USERRECORD-01

Total scenarios = 8

Result key: 54

Scenario 1 Affected station 11

Before Analysis

Results for: 41A WI GREEN BAY BMPCDT 20080207AAN CP
HAAT 297.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1069323	25108.2
not affected by terrain losses	1068981	25084.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7062	189.4
lost to ATV IX only	7062	189.4
lost to all IX	7062	189.4

Potential Interfering Stations Included in above Scenario 1

40A WI KENOSHA	BLCDT	20040206AAT	LIC
42A WI GREEN BAY	BMLEDT	20040818AAP	LIC

After Analysis

Results for: 41A WI GREEN BAY BMPCDT 20080207AAN CP
HAAT 297.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1069323	25108.2

WIFR-DT, Freeport, IL, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

not affected by terrain losses	1068981	25084.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7305	205.5
lost to ATV IX only	7305	205.5
lost to all IX	7305	205.5

Potential Interfering Stations Included in above Scenario 1

40A WI KENOSHA	BLCDT	20040206AAT	LIC
42A WI GREEN BAY	BMLEDT	20040818AAP	LIC
41A IL FREEPORT	USERRECORD01		APP

Percent new IX = 0.0229%

Worst case new IX 0.0229% Scenario 1

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	WGBA	GREEN BAY WI	DTVPLN -DTVP1488

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application Ref. No.
40	WPXE	KENOSHA WI	140.5	LIC	BLCDT -20040206AAT
40	WPXE	KENOSHA WI	140.5	PLN	DTVPLN -DTVP1458
41	KGCW-TV	BURLINGTON IA	426.1	CP	BPCDT -19991028AFB
41	KGCW-TV	BURLINGTON IA	426.1	PLN	DTVPLN -DTVP1468
42	WPNE	GREEN BAY WI	5.9	LIC	BMLEDT -20040818AAP
42	WPNE	GREEN BAY WI	5.9	PLN	DTVPLN -DTVP1524
41	WIFRDT41	FREEPORT IL	248.6	APP	USERRECORD-01

Total scenarios = 8

Result key: 62

Scenario 1 Affected station 12

Before Analysis

Results for: 41A WI GREEN BAY	DTVPLN	DTVP1488	PLN
HAAT 321.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1093076	27263.3	
not affected by terrain losses	1092967	27247.2	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	8769	282.1	
lost to ATV IX only	8769	282.1	
lost to all IX	8769	282.1	

Potential Interfering Stations Included in above Scenario 1

40A WI KENOSHA	BLCDT	20040206AAT	LIC
42A WI GREEN BAY	BMLEDT	20040818AAP	LIC

WIFR-DT, Freeport, IL, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

After Analysis

Results for: 41A WI GREEN BAY	DTVPLN	DTVP1488	PLN
HAAT 321.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1093076	27263.3	
not affected by terrain losses	1092967	27247.2	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	9235	322.4	
lost to ATV IX only	9235	322.4	
lost to all IX	9235	322.4	

Potential Interfering Stations Included in above Scenario 1

40A WI KENOSHA	BLCDT	20040206AAT	LIC
42A WI GREEN BAY	BMLEDT	20040818AAP	LIC
41A IL FREEPORT	USERRECORD01		APP

Percent new IX = 0.0430%

Worst case new IX 0.0430% Scenario 1

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Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	WMLW-CA	MILWAUKEE WI	BLTTA -20021002AAA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application Ref. No.
33	WITI	MILWAUKEE WI	3.6	CP MOD	BMPCDT -20080122AOP
33	WITI	MILWAUKEE WI	3.7	PLN	DTVPLN -DTVP1236
34	WISN-TV	MILWAUKEE WI	0.2	LIC	BLCDT -20050412ADP
34	WISN-TV	MILWAUKEE WI	0.2	PLN	DTVPLN -DTVP1278
38	WGBO-TV	JOLIET IL	137.1	CP	BPCDT -20080314AEF
38	WGBO-TV	JOLIET IL	137.1	PLN	DTVPLN -DTVP1364
39	WFRT-TV	GREEN BAY WI	135.9	LIC	BLCDT -20051004ABD
39	WFRT-TV	GREEN BAY WI	135.9	PLN	DTVPLN -DTVP1423
40	WPXE	KENOSHA WI	2.8	LIC	BLCDT -20040206AAT
40	WPXE	KENOSHA WI	2.8	PLN	DTVPLN -DTVP1458
41	KGCW-TV	BURLINGTON IA	323.3	CP	BPCDT -19991028AFB
41	KGCW-TV	BURLINGTON IA	323.3	PLN	DTVPLN -DTVP1468
41	WICD	CHAMPAIGN IL	338.1	CP MOD	BMPCDT -20041215AAN
41	WICD	CHAMPAIGN IL	338.1	PLN	DTVPLN -DTVP1470
41	WOCH-CA	CHICAGO IL	137.1	LIC	BLTTA -20060103ACT
41	WOCH-CA	CHICAGO IL	137.1	APP	BSTA -20060109ACO
41	WOCH-CA	CHICAGO IL	137.1	APP	BPTTA -20050127ALO
41	WOTV	BATTLE CREEK MI	209.4	LIC	BLCT -19961120KE
41	WXYZ-TV	DETROIT MI	388.3	CP	BPCDT -20080228AAC
41	WXYZ-TV	DETROIT MI	388.3	PLN	DTVPLN -DTVP1476
41	WXYZ-TV	DETROIT MI	388.3	LIC	BLCDT -20030325ABI
41	WGBA	GREEN BAY WI	138.6	CP MOD	BMPCDT -20080207AAN
41	WGBA	GREEN BAY WI	138.6	PLN	DTVPLN -DTVP1488
43	WCPX	CHICAGO IL	139.1	LIC	BLCDT -20010226ABH

WIFR-DT, Freeport, IL, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

43	WCPX	CHICAGO IL	139.1	PLN	DTVPLN	-DTVP1536
43	WWRS-TV	MAYVILLE WI	60.2	LIC	BLCDT	-20050825AEW
43	WWRS-TV	MAYVILLE WI	60.2	PLN	DTVPLN	-DTVP1561
44	WWAZ-TV	FOND DU LAC WI	60.3	CP MOD	BMPCDT	-20040209ABG
44	WWAZ-TV	FOND DU LAC WI	60.3	PLN	DTVPLN	-DTVP1601
45	WSNS-TV	CHICAGO IL	139.1	LIC	BLCDT	-20010612AIB
45	WSNS-TV	CHICAGO IL	139.1	PLN	DTVPLN	-DTVP1611
48	WBME-TV	RACINE WI	29.4	LIC	BMLCDT	-20070823AED
48	WJJA	RACINE WI	3.6	PLN	DTVPLN	-DTVP1726
48	WBME-TV	RACINE WI	0.0	CP MOD	BMPCDT	-20070921ACR
55	WPXE	KENOSHA WI	39.1	LIC	BLCT	-19970707KE
56	WYIN	GARY IN	139.1	APP	BPET	-20010716AAS
41	WIFRDT41	FREEPORT IL	135.9	APP	USERRECORD-01	

Total scenarios = 8

Result key: 70
Scenario 1 Affected station 13
Before Analysis

	BLTTA	20021002AAA	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1291096	2318.9	
not affected by terrain losses	1290330	2310.8	
lost to NTSC IX	19669	12.1	
lost to additional IX by ATV	641522	1203.7	
lost to all IX	661191	1215.8	

Potential Interfering Stations Included in above Scenario 1

41N MI BATTLE CREEK	BLCT	19961120KE	LIC
40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A WI GREEN BAY	BMPCDT	20080207AAN	CP

After Analysis

	BLTTA	20021002AAA	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1291096	2318.9	
not affected by terrain losses	1290330	2310.8	
lost to NTSC IX	19669	12.1	
lost to additional IX by ATV	643931	1219.8	
lost to all IX	663600	1231.9	

Potential Interfering Stations Included in above Scenario 1

41N MI BATTLE CREEK	BLCT	19961120KE	LIC
40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A WI GREEN BAY	BMPCDT	20080207AAN	CP
41A IL FREEPORT	USERRECORD01		APP

Percent new IX = 0.1866%

Worst case new IX 0.1866% Scenario 1

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WIFR-DT, Freeport, IL, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Analysis of Interference to Affected Station 14

Analysis of current record

Channel Call City/State Application Ref. No.
42 WQRF-TV ROCKFORD IL BMPCDT -20070207ABW

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist (km)	Status	Application Ref. No.
41	KGCW-TV	BURLINGTON IA	186.7	CP	BPCDT -19991028AFB
41	KGCW-TV	BURLINGTON IA	186.7	PLN	DTVPLN -DTVP1468
42	KIMT	MASON CITY IA	316.9	LIC	BLCDT -20071113AEE
42	KIMT	MASON CITY IA	321.9	PLN	DTVPLN -DTVP1498
42	WICS	SPRINGFIELD IL	277.1	LIC	BLCDT -20050627AAI
42	WICS	SPRINGFIELD IL	277.1	PLN	DTVPLN -DTVP1500
42	WCLJ-TV	BLOOMINGTON IN	409.1	CP	BPCDT -20080314ABE
42	WCLJ-TV	BLOOMINGTON IN	409.1	PLN	DTVPLN -DTVP1501
42	WNDU-TV	SOUTH BEND IN	256.0	LIC	BLCDT -20060717AAG
42	WNDU-TV	SOUTH BEND IN	256.0	PLN	DTVPLN -DTVP1502
42	WPNE	GREEN BAY WI	254.1	LIC	BMLEDT -20040818AAP
42	WPNE	GREEN BAY WI	254.1	PLN	DTVPLN -DTVP1524
43	KFXB	DUBUQUE IA	121.7	CP	BPCDT -19991028ACY
43	KFXB	DUBUQUE IA	121.7	PLN	DTVPLN -DTVP1535
43	WCPX	CHICAGO IL	134.5	LIC	BLCDT -20010226ABH
43	WCPX	CHICAGO IL	134.5	PLN	DTVPLN -DTVP1536
43	WWRS-TV	MAYVILLE WI	138.1	LIC	BLCDT -20050825AEW
43	WWRS-TV	MAYVILLE WI	138.1	PLN	DTVPLN -DTVP1561
41	WIFRDT41	FREEPORT IL	1.0	APP	USERRECORD-01

Total scenarios = 64

Result key: 98
Scenario 21 Affected station 14
Before Analysis

Results for: 42A IL ROCKFORD BMPCDT 20070207ABW CP
 HAAT 148.0 m, ATV ERP 900.0 kW
 POPULATION AREA (sq km)
 within Noise Limited Contour 1173773 16506.7
 not affected by terrain losses 1155003 16377.6
 lost to NTSC IX 0 0.0
 lost to additional IX by ATV 85571 407.4
 lost to ATV IX only 85571 407.4
 lost to all IX 85571 407.4

Potential Interfering Stations Included in above Scenario 21

42A IA MASON CITY	DTVPLN	DTVP1498	PLN
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
42A IN SOUTH BEND	DTVPLN	DTVP1502	PLN
42A WI GREEN BAY	BMLEDT	20040818AAP	LIC
43A IL CHICAGO	BLCDT	20010226ABH	LIC

After Analysis

Results for: 42A IL ROCKFORD BMPCDT 20070207ABW CP
HAAT 148.0 m, ATV ERP 900.0 kW

WIFR-DT, Freeport, IL, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

	POPULATION	AREA (sq km)
within Noise Limited Contour	1173773	16506.7
not affected by terrain losses	1155003	16377.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	86344	423.6
lost to ATV IX only	86344	423.6
lost to all IX	86344	423.6

Potential Interfering Stations Included in above Scenario 21

42A IA MASON CITY	DTVPLN	DTVP1498	PLN
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
42A IN SOUTH BEND	DTVPLN	DTVP1502	PLN
42A WI GREEN BAY	BMLEDT	20040818AAP	LIC
43A IL CHICAGO	BLCDT	20010226ABH	LIC
41A IL FREEPORT	USERRECORD01		APP

Percent new IX = 0.0723%

Worst case new IX 0.0723% Scenario 21

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Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application Ref. No.
42	WQRF-TV	ROCKFORD IL	DTVPLN -DTVP1499

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
41	KGCW-TV	BURLINGTON IA	187.3	CP	BPCDT -19991028AFB
41	KGCW-TV	BURLINGTON IA	187.3	PLN	DTVPLN -DTVP1468
42	KIMT	MASON CITY IA	317.2	LIC	BLCDT -20071113AEE
42	KIMT	MASON CITY IA	322.3	PLN	DTVPLN -DTVP1498
42	WICS	SPRINGFIELD IL	277.5	LIC	BLCDT -20050627AAI
42	WICS	SPRINGFIELD IL	277.5	PLN	DTVPLN -DTVP1500
42	WCLJ-TV	BLOOMINGTON IN	409.0	CP	BPCDT -20080314ABE
42	WCLJ-TV	BLOOMINGTON IN	409.0	PLN	DTVPLN -DTVP1501
42	WNDU-TV	SOUTH BEND IN	255.6	LIC	BLCDT -20060717AAG
42	WNDU-TV	SOUTH BEND IN	255.6	PLN	DTVPLN -DTVP1502
42	WPNE	GREEN BAY WI	253.6	LIC	BMLEDT -20040818AAP
42	WPNE	GREEN BAY WI	253.6	PLN	DTVPLN -DTVP1524
43	KFXB	DUBUQUE IA	122.1	CP	BPCDT -19991028ACY
43	KFXB	DUBUQUE IA	122.1	PLN	DTVPLN -DTVP1535
43	WCPX	CHICAGO IL	134.1	LIC	BLCDT -20010226ABH
43	WCPX	CHICAGO IL	134.1	PLN	DTVPLN -DTVP1536
43	WWRS-TV	MAYVILLE WI	137.6	LIC	BLCDT -20050825AEW
43	WWRS-TV	MAYVILLE WI	137.6	PLN	DTVPLN -DTVP1561
41	WIFRDT41	FREEPORT IL	0.9	APP	USERRECORD-01

Total scenarios = 128

Result key: 182
 Scenario 41 Affected station 15
 Before Analysis

WIFR-DT, Freeport, IL, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Results for: 42A IL ROCKFORD	DTVPLN	DTVP1499	PLN
HAAT 149.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1233418	16881.2	
not affected by terrain losses	1211682	16715.8	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	110613	488.1	
lost to ATV IX only	110613	488.1	
lost to all IX	110613	488.1	

Potential Interfering Stations Included in above Scenario 41

42A IA MASON CITY	DTVPLN	DTVP1498	PLN
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
42A IN SOUTH BEND	DTVPLN	DTVP1502	PLN
42A WI GREEN BAY	BMLEDT	20040818AAP	LIC
43A IA DUBUQUE	BPCDT	19991028ACY	CP
43A IL CHICAGO	BLCDT	20010226ABH	LIC

After Analysis

Results for: 42A IL ROCKFORD	DTVPLN	DTVP1499	PLN
HAAT 149.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1233418	16881.2	
not affected by terrain losses	1211682	16715.8	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	111333	528.4	
lost to ATV IX only	111333	528.4	
lost to all IX	111333	528.4	

Potential Interfering Stations Included in above Scenario 41

42A IA MASON CITY	DTVPLN	DTVP1498	PLN
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
42A IN SOUTH BEND	DTVPLN	DTVP1502	PLN
42A WI GREEN BAY	BMLEDT	20040818AAP	LIC
43A IA DUBUQUE	BPCDT	19991028ACY	CP
43A IL CHICAGO	BLCDT	20010226ABH	LIC
41A IL FREEPORT	USERRECORD01		APP

Percent new IX = 0.0654%

Worst case new IX 0.0654% Scenario 41

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Analysis of Interference to Affected Station 16

Analysis of current record

Channel	Call	City/State	Application Ref. No.
48	WMEU-CA	BLUE ISLAND IL	BLTTA -20041008AAN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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WIFR-DT, Freeport, IL, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

45	WSNS-TV	CHICAGO IL	42.2	LIC	BLCDT	-20010612AIB
45	WSNS-TV	CHICAGO IL	42.2	PLN	DTVPLN	-DTVP1611
47	WTW	CHICAGO IL	42.2	LIC	BLEDT	-20020408ABK
47	WTW	CHICAGO IL	42.2	PLN	DTVPLN	-DTVP1673
48	KPKR	CEDAR RAPIDS IA	343.4	LIC	BLCT	-19970513KE
48	WCIA	CHAMPAIGN IL	166.7	CP MOD	BMPCT	-20050701ACC
48	WCIA	CHAMPAIGN IL	166.7	PLN	DTVPLN	-DTVP1706
48	WTTV	BLOOMINGTON IN	277.2	LIC	BLCDT	-20060630ACD
48	WTTV	BLOOMINGTON IN	277.2	PLN	DTVPLN	-DTVP1707
48	WTTV	BLOOMINGTON IN	277.2	CP	BPCDT	-20060707AFA
48	WHME-TV	SOUTH BEND IN	141.0	LIC	BLCDT	-20060109ABG
48	WHME-TV	SOUTH BEND IN	141.0	PLN	DTVPLN	-DTVP1708
48	960722KL	OWENSBORO KY	392.6	APP	BPCT	-19960722KL
48	WAQP	SAGINAW MI	363.9	LIC	BLCDT	-20060824ADS
48	WAQP	SAGINAW MI	363.9	PLN	DTVPLN	-DTVP1711
48	WCET	CINCINNATI OH	389.3	LIC	BLET	-19740227KG
48	WBME-TV	RACINE WI	146.6	LIC	BMLCDT	-20070823AED
48	WJJA	RACINE WI	172.4	PLN	DTVPLN	-DTVP1726
48	WBME-TV	RACINE WI	175.2	CP MOD	BMPCT	-20070921ACR
50	WXFT-TV	AURORA IL	42.2	CP	BPCDT	-20080425ABK
50	WXFT-TV	AURORA IL	42.2	PLN	DTVPLN	-DTVP1765
51	WPWR-TV	GARY IN	42.2	LIC	BLCDT	-20050425ACE
51	WPWR-TV	GARY IN	42.2	PLN	DTVPLN	-DTVP1795
62	WJYS	HAMMOND IN	6.0	LIC	BLCT	-19910405KF
41	WIFRDT41	FREEPORT IL	137.8	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	WIFRDT41	FREEPORT IL	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	WPXE	KENOSHA WI	136.3	LIC	BLCDT -20040206AAT
40	WPXE	KENOSHA WI	136.3	PLN	DTVPLN -DTVP1458
41	KGCW-TV	BURLINGTON IA	187.4	CP	BPCDT -19991028AFB
41	KGCW-TV	BURLINGTON IA	187.4	PLN	DTVPLN -DTVP1468
41	WICD	CHAMPAIGN IL	269.0	CP MOD	BMPCT -20041215AAN
41	WICD	CHAMPAIGN IL	269.0	PLN	DTVPLN -DTVP1470
41	WGBA	GREEN BAY WI	248.6	CP MOD	BMPCT -20080207AAN
41	WGBA	GREEN BAY WI	248.6	PLN	DTVPLN -DTVP1488
42	WQRF-TV	ROCKFORD IL	1.0	CP MOD	BMPCT -20070207ABW
42	WQRF-TV	ROCKFORD IL	0.9	PLN	DTVPLN -DTVP1499

Total scenarios = 16

Result key: 270

Scenario 1 Affected station

17

Before Analysis

WIFR-DT, Freeport, IL. OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Results for: 41A IL FREEPORT

USERRECORD01

APP

HAAT 220.0 m, ATV ERP 345.0 kw

POPULATION AREA (sq km)

within Noise Limited Contour	1314469	19246.6
not affected by terrain losses	1296597	19081.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	54197	709.9
lost to ATV IX only	54197	709.9
lost to all IX	54197	709.9

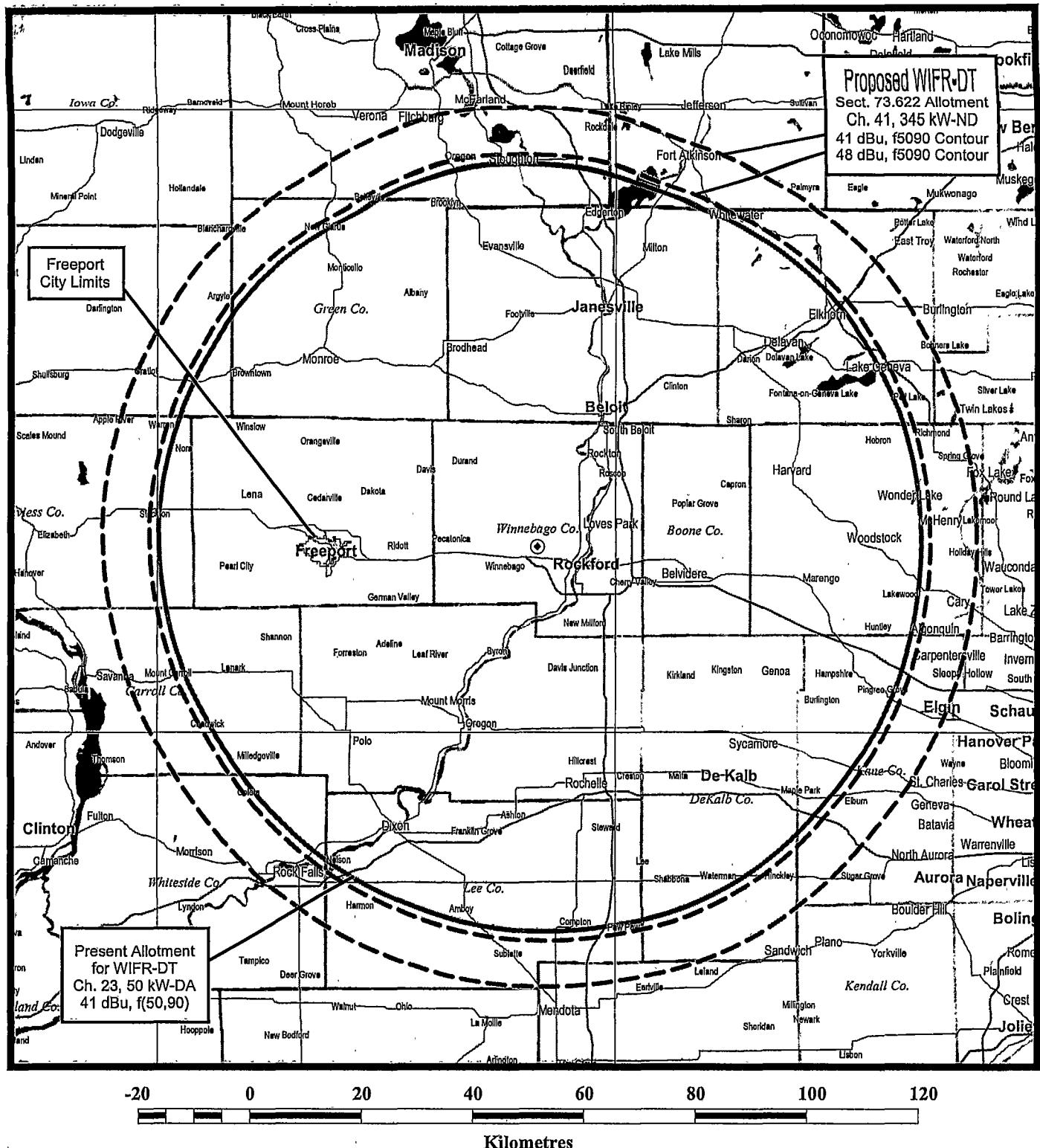
Potential Interfering Stations Included in above Scenario

1

40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A IA BURLINGTON	BPCDT	19991028AFB	CP
41A IL CHAMPAIGN	BMPCDT	20041215AAN	CP
41A WI GREEN BAY	BMPCDT	20080207AAN	CP
42A IL ROCKFORD	DTVPLN	DTVP1499	PLN

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

Figure 2



PREDICTED COVERAGE CONTOURS

duTreil, Lundin & Rackley, Inc. Sarasota, Florida